## EAST Search History

| Ref# | Hits | Search Query   | DBs                       | Default<br>Operator | Plurals | Time Stamp          |
|------|------|--|---------------------------|---------------------|---------|---------------------|
| S1   | 1    | ("4016870"). PN.   | US-PGPUB;<br>USPAT; USOCR | OR                  | OFF     | 2007/05/08<br>09:43 |
| S2   | 2    | (("4016870") or<br>("4182314")).PN   | US-PGPUB;<br>USPAT; USOCR | OR                  | OFF     | 2007/03/19<br>09:06 |
| S3   | 28   | Shin-Sang-Hoon.in.   | US-PGPUB;<br>USPAT        | OR                  | OFF     | 2007/03/19<br>09:06 |
| S4   | 10   | Park-Jun-Hyub.in.  | US-PGPUB;<br>USPAT        | OR                  | OFF     | 2007/03/19<br>09:07 |
| S5   | 27   | Lim-Geun-Bae.in.   | US-PGPUB;<br>USPAT        | OR                  | OFF     | 2007/03/19<br>09:07 |
| S6   | 19   | Jang-Woo-Young.in.   | US-PGPUB;<br>USPAT        | OR                  | OFF     | 2007/03/19<br>09:07 |
| S7   | 3    | Gi-Ho-Seong.in.  | US-PGPUB;<br>USPAT        | OR                  | OFF     | 2007/03/19<br>09:08 |
| S8   | 76   | S3 or S4 or S5 or S6 or<br>S7  | US-PGPUB;<br>USPAT        | OR                  | OFF     | 2007/03/19<br>09:08 |
| S9   | 5    | US-3784908-\$.DID. OR<br>US-3871359-\$.DID. OR<br>US-3971366-\$.DID. OR<br>US-6292690-\$.DID. OR<br>US-20030176808-\$.DID.         | US-PGPUB;<br>USPAT; USOCR | OR                  | OFF     | 2007/03/19<br>09:17 |
| S10  | 1    | "20040133121"  | US-PGPUB;<br>USPAT; USOCR | OR                  | OFF     | 2007/03/19<br>09:17 |
| S11  | 47   | "5810762"  | US-PGPUB;<br>USPAT; USOCR | OR                  | OFF     | 2007/03/19<br>09:18 |
| S12  | 1    | ("5810762").PN.  | US-PGPUB;<br>USPAT; USOCR | OR                  | OFF     | 2007/03/19<br>09:18 |
| S13  | 5    | US-4895163-\$, DID. OR<br>US-4917093-\$, DID. OR<br>US-5114424-\$, DID. OR<br>US-5372141-\$, DID. OR<br>US-6408204-\$, DID.        | US-PGPUB;<br>USPAT; USOCR | OR                  | OFF     | 2007/03/19<br>09:20 |
| S14  | 1    | ("6631292").PN   | US-PGPUB;<br>USPAT; USOCR | OR                  | OFF     | 2007/03/19<br>09:20 |
| S15  | 13   | S9 or S10 or S12 or S13<br>or S14  | US-PGPUB;<br>USPAT        | OR                  | OFF     | 2007/03/19<br>09:37 |
| S16  | 5    | US-3957037-\$.DID. OR<br>US-5246008-\$.DID. OR<br>US-5964703-\$.DID. OR<br>US-20020040193-\$.DID.<br>OR US-20030070942-\$.<br>DID. | US-PGPUB;<br>USPAT; USOCR | OR                  | OFF     | 2007/03/19<br>10:58 |
| S17  | 1    | ("4578635"). PN:   | US-PGPUB;<br>USPAT; USOOR | OR                  | OFF     | 2007/03/19<br>10:58 |

| S18 | 5    | US-3784908-\$.DID. OR<br>US-3871359-\$.DID. OR<br>US-3971366-\$.DID. OR<br>US-6292690-\$.DID. OR<br>US-20030176808-\$.DID.  | US-PGPUB;<br>USPAT; USOCR | OR | OFF | 2007/03/19<br>10:58 |
|-----|------|---|---------------------------|----|-----|---------------------|
| S19 | 1    | "20040133121"   | US-PGPUB;<br>USPAT; USOCR | OR | OFF | 2007/03/19<br>10:58 |
| S20 | 1    | ("5810762").PN.   | US-PGPUB;<br>USPAT; USOCR | OR | OFF | 2007/03/19<br>10:58 |
| S21 | 5    | US-4895163-\$.DID. OR<br>US-4917093-\$.DID. OR<br>US-5114424-\$.DID. OR<br>US-5372141-\$.DID. OR<br>US-6408204-\$.DID.  | US-PGPUB;<br>USPAT; USOCR | OR | OFF | 2007/03/19<br>10:58 |
| S22 | 1    | ("6631292").PN.   | US-PGPUB;<br>USPAT; USOCR | OR | OFF | 2007/03/19<br>10:58 |
| S23 | 13   | S18 or S19 or S20 or S21<br>or S22  | US-PGPUB;<br>USPAT        | OR | OFF | 2007/03/19<br>10:58 |
| S24 | 19   | \$23 or \$16 or \$17  | US-PGPUB;<br>USPAT        | OR | OFF | 2007/03/19<br>10:59 |
| S25 | 1126 | 600/547.cds.  | US-PGPUB;<br>USPAT        | OR | OFF | 2007/03/19<br>11:24 |
| S26 | 52   | 600/548.ccls.   | US-PGPUB;<br>USPAT        | OR | OFF | 2007/03/19<br>11:24 |
| S27 | 1168 | S25 or S26  | US-PGPUB;<br>USPAT        | OR | OFF | 2007/03/19<br>11:24 |
| S28 | 5    | S27 and multi-channel<br>and "constant current"<br>and (amplifying or<br>amplifier) and (filtering or<br>filter) and ("control unit"<br>or processor or CPU or PC<br>or "personal computer" or<br>microprocessor) | US-PGPUB;<br>USPAT        | OR | OFF | 2007/03/19<br>11:28 |
| S29 | 16   | \$27 and "skin impedance" and matrix  | US-PGPUB;<br>USPAT        | OR | OFF | 2007/03/19<br>11:36 |
| S30 | 8    | \$27 and "skin<br>impedance" and grid   | US-PGPUB;<br>USPAT        | OR | OFF | 2007/03/19<br>11:57 |
| S31 | 39   | \$27 and "skin<br>impedance" and (pattern<br>or arrangement)  | US-PGPUB;<br>USPAT        | OR | OFF | 2007/03/19<br>12:29 |

| S32  | 49 | ("20060074337" "6231684" "5024236" "7626721" 15660746" "5540735" "6783508" "7033881" "7101345" "200401528381" "7101345" "2004015281" "7033881" "7101345" "2004015281" "8907801" "5361762" "4621642" "4848357" "5261422" "5507791" "6287765" "5609566" "4632095" "58905418" "5967667" "6074411" "5383290" "5895418" "5967667" "6074411" "5383290" "5895039" "6050831" "6183444" "6309375" "552086" 601096" "6050831" "6183444" "6309375" "572006" "572006" "570056" "572006" "4106513" "4267838" "4106513" "4267838" "4106513" "4267838" "4319574" "435760" "4450846" "4479495" "4769881" ), pn.   | US-POPUB;<br>USPAT        | OR | OFF | 2007/03/19 12:56    |
|------|----|---|---------------------------|----|-----|---------------------|
| \$33 | 49 | (("20060074337") or ("6281584") or ("6281584") or ("6281584") or ("6281584") or ("5524236") or ("55247281") or ("5552745") or ("5560746") or ("7703381") or ("7703381") or ("77033881") or ("20040158284") or ("20040267171") or ("20040158284") or ("20040267171") or ("52047897") or ("5947897") or ("5947897") or ("5581762") or ("4521642") or ("45821642") or ("556791") or ("5581585") or ("55895818") or ("55895818") or ("56978471") or ("56978471") or ("559585895") or ("55958590") or ("55958590") or ("5505859") or ("55058590") or ("55058590") or ("55058590") | US-PGPUB;<br>USPAT; USOCR | OR | OFF | 2007/03/19<br>12:30 |

|             |      | ("5720046") or ("5830211") or ("5850239") or ("6013096") or ("6013096") or ("6013093") or ("6183444") or ("5300561") or ("5300561") or ("50760561") or ("5417706") or ("561780893") or ("6058938") or ("6058938") or ("4037590") or ("419574") or ("427838") or ("427838") or ("427848") or ("4379495") or ("4379495") or ("4379495") or ("4799485") or ("479485") |   |    |     |                     |
|-------------|------|--|---|----|-----|---------------------|
| S34         | 42   | ("micro-electro-<br>mechanical system" with<br>electrode) or "MEMS<br>electrode"   | US-PGPUB;<br>USPAT  | OR | OFF | 2007/05/03<br>15:00 |
| \$35        | 28   | leeno  | US-PGPUB;<br>USPAT; USOOR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/03/20<br>15:52 |
| S36         | 3    | leeno  | US-PGPUB;<br>USPAT  | OR | OFF | 2007/03/20<br>16:04 |
| S37         | 1171 | "pin electrode" or "pin<br>electrodes"   | US-PGPUB;<br>USPAT  | OR | OFF | 2007/03/20<br>16:04 |
| S38         | 321  | S37 and spring   | US-PGPUB;<br>USPAT  | OR | OFF | 2007/03/20<br>16:04 |
| <b>S3</b> 9 | 5089 | skin near3 (impedance or resistance)   | US-PGPUB;<br>USPAT  | OR | OFF | 2007/03/20<br>16:14 |
| S40         | 2    | S38 and S39  | US-PGPUB;<br>USPAT  | OR | OFF | 2007/03/20<br>16:15 |
| S41         | 33   | skin and S38   | US-PGPUB;<br>USPAT  | OR | OFF | 2007/03/20<br>16:15 |
| 542         | 1129 | 600/547.ccls.  | US-PGPUB;<br>USPAT  | OR | OFF | 2007/03/29<br>09:55 |
| 543         | 1135 | 600/547.ccls.  | US-PGPUB;<br>USPAT  | OR | OFF | 2007/11/14<br>15:25 |
| 344         | 45   | ("micro-electro-<br>mechanical system" with<br>electrode) or "MEMS<br>electrode"   | US-PGPUB;<br>USPAT  | OR | OFF | 2007/05/03<br>15:00 |

| S45 | 45      | S44  | US-PGPUB;          | OR | OFF | 2007/05/03          |
|-----|---------|--|--------------------|----|-----|---------------------|
|     |         |  | USPAT              |    |     | 15:00               |
| S46 | 2       | S45 and skin   | US-PGPUB;<br>USPAT | OR | OFF | 2007/05/03<br>15:00 |
| S47 | 1180    | "pin electrode" or "pin<br>electrodes"                                 | US-PGPUB;<br>USPAT | OR | OFF | 2007/05/03<br>15:04 |
| S48 | 323     | S47 and spring   | US-PGPUB;<br>USPAT | OR | OFF | 2007/05/03<br>15:04 |
| S49 | 5160    | skin near3 (impedance or resistance)                                   | US-PGPUB;<br>USPAT | OR | OFF | 2007/05/03<br>15:07 |
| S50 | 2       | S48 and S49  | US-PGPUB;<br>USPAT | OR | OFF | 2007/05/03<br>15:09 |
| S51 | 1136    | 600/547.ccls.  | US-PGPUB;<br>USPAT | OR | OFF | 2007/05/03<br>15:09 |
| S52 | 105     | S51 and "constant current source"                                      | US-PGPUB;<br>USPAT | OR | OFF | 2007/05/03<br>15:20 |
| S53 | 138039  | S52 and ("positive" and<br>"negative") or ("anode"<br>and "cathode")   | US-PGPUB;<br>USPAT | OR | OFF | 2007/05/03<br>15:11 |
| S54 | 26      | S52 and (("positive" and<br>"negative") or ("anode"<br>and "cathode")) | US-PGPUB;<br>USPAT | OR | OFF | 2007/05/03<br>15:11 |
| S55 | 1       | "constant current source" and 600/548.ccls.                            | US-PGPUB;<br>USPAT | OR | OFF | 2007/05/03<br>15:20 |
| S56 | 52      | 600/548.ccls.  | US-PGPUB;<br>USPAT | OR | ON  | 2007/11/14<br>15:23 |
| S57 | 106654  | constant near5 current   | US-PGPUB;<br>USPAT | OR | OFF | 2007/05/07<br>11:26 |
| S58 | 1006462 | array or multi-channel or matrix                                       | US-PGPUB;<br>USPAT | OR | OFF | 2007/05/07<br>11:27 |
| S59 | 29290   | S57 and S58  | US-PGPUB;<br>USPAT | OR | OFF | 2007/05/07<br>11:27 |
| S60 | 1133    | 600/547.ccls.  | US-PGPUB;<br>USPAT | OR | OFF | 2007/05/07<br>11:27 |
| S61 | 1133    | 600/547.ccls.  | US-PGPUB;<br>USPAT | OR | OFF | 2007/05/07<br>11:27 |
| S62 | 105     | S61 and "constant current source"                                      | US-PGPUB;<br>USPAT | OR | OFF | 2007/05/07<br>11:27 |
| S63 | 139     | S59 and (S60 or S62)   | US-PGPUB;<br>USPAT | OR | OFF | 2007/05/07<br>11:28 |
| S64 | 52      | 600/548.ccls.  | US-PGPUB;<br>USPAT | OR | ON  | 2007/05/07<br>11:28 |
| S65 | 140     | S59 and (S60 or S64)   | US-PGPUB;<br>USPAT | OR | OFF | 2007/05/07<br>11:33 |
| S66 | 137     | S65 and (impedance or resistance)                                      | US-PGPUB;<br>USPAT | OR | OFF | 2007/05/07<br>11:33 |
| S67 | 75      | S66 and skin   | US-PGPUB;<br>USPAT | OR | OFF | 2007/05/07<br>11:34 |

| S68         | 75   | S67 and electrodes   | US-PGPUB;<br>USPAT        | OR | OFF | 2007/05/07<br>13:03 |
|-------------|------|--|---------------------------|----|-----|---------------------|
| S69         | 1    | "7203536".pn.  | US-PGPUB;<br>USPAT        | OR | OFF | 2007/05/07<br>13:03 |
| S70         | 10   | ("20010034491"  <br>"4548211"   "4617939"  <br>"4895163"   "4949727"  <br>"5353802"   "5544662"  <br>"5560372"   "5720296"  <br>"6408204").PN. | US-PGPUB;<br>USPAT; USOCR | OR | ON  | 2007/05/07<br>13:17 |
| S71         | 0    | ("7203536").URPN.  | USPAT                     | OR | ON  | 2007/05/07<br>14:00 |
| S72         | 0    | 20020062090-\$.did.  | US-PGPUB;<br>USPAT        | OR | ON  | 2007/05/08<br>09:43 |
| S73         | 0    | 2002/0062090-\$.did.   | US-PGPUB;<br>USPAT        | OR | ON  | 2007/05/08<br>09:44 |
| S74         | 1    | "20020062090"\$.did.   | US-PGPUB;<br>USPAT        | OR | ON  | 2007/05/08<br>09:44 |
| S75         | 56   | 600/548.ccls.  | US-PGPUB;<br>USPAT        | OR | ON  | 2007/11/14<br>15:23 |
| S76         | 1182 | 600/547.ccls.  | US-PGPUB;<br>USPAT        | OR | OFF | 2007/11/14<br>15:25 |
| S77         | 1259 | "pin electrode" or "pin<br>electrodes"   | US-PGPUB;<br>USPAT        | OR | OFF | 2008/02/24<br>21:01 |
| S78         | 111  | S77 same pressure  | US-PGPUB;<br>USPAT        | OR | OFF | 2008/02/24<br>21:01 |
| S79         | 1    | \$78 and ("600"/\$.cdls. or "601"/\$.cdls. or "602"/\$. ccls. or "604"/\$.ccls. or "606"/\$.ccls. or "128"/\$. ccls.)                          | US-PGPUB;<br>USPAT        | OR | OFF | 2008/02/24<br>21:03 |
| S80         | 1264 | "pin electrode" or "pin<br>electrodes"   | US-PGPUB;<br>USPAT        | OR | OFF | 2008/03/14<br>12:21 |
| S81         | 8    | S80 same pressure same control   | US-PGPUB;<br>USPAT        | OR | OFF | 2008/03/14<br>12:21 |
| S82         | 23   | S80 same force same control  | US-PGPUB;<br>USPAT        | OR | OFF | 2008/03/14<br>12:24 |
| <b>S</b> 83 | 45   | S80 with spring  | US-PGPUB;<br>USPAT        | OR | OFF | 2008/03/14<br>12:48 |
| S84         | 38   | Shin-Sang-Hoon.in.   | US-PGPUB;<br>USPAT        | OR | OFF | 2008/11/12<br>14:37 |
| S85         | 10   | Park-Jun-Hyub.in.  | US-PGPUB;<br>USPAT        | OR | OFF | 2008/11/12<br>14:37 |
| S86         | 35   | Lim-Geun-Bae.in.   | US-PGPUB;<br>USPAT        | OR | OFF | 2008/11/12<br>14:37 |
| S87         | 27   | Jang-Woo-Young.in.   | US-PGPUB;<br>USPAT        | OR | OFF | 2008/11/12<br>14:37 |
| S88         | 3    | Gi-Ho-Seong.in.  | US-PGPUB;<br>USPAT        | OR | OFF | 2008/11/12<br>14:37 |

| S89 | 102  | S84 or S85 or S86 or S87<br>or S88  | US-PGPUB;<br>USPAT | OR  | OFF | 2008/11/12<br>14:37 |
|-----|------|---|--------------------|-----|-----|---------------------|
| S90 | 57   | 600/548.ccls.   | US-PGPUB;<br>USPAT | OR  | ON  | 2008/11/12<br>14:56 |
| S91 | 1298 | 600/547.ccls.   | US-PGPUB;<br>USPAT | OR  | OFF | 2008/11/12<br>14:58 |
| S92 | 0    | ("6014583").URPN.   | USPAT              | OR  | ON  | 2008/11/12<br>15:38 |
| S93 | 21   | ("4437469"   "4562843"   "4617939"   "4832035"   "4905705"   "5103828"   "5197467"   "5233515"   "5311878"   "5423326"   "5443073"   "5465730"   "5505209"   "5529072"   "5746214"   "5749369"   "5782763"   "5507251"   "5807270") PN. |                    | OR. | ON  | 2008/11/12<br>15:38 |

## 11/12/2008 9:24:46 PM

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